

What is claimed is:

1. A line circuit for providing loopfeed current to a subscriber's line, comprising:

5 driver circuitry for driving said subscriber's line with said loopfeed current;

an input amplifier circuit connected to said subscriber's line for sensing and comparing current flowing in said line with a predetermined constant current and generating an error signal proportional to any difference therebetween; and

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an integrator for receiving said error signal and in the event said error signal is less than a predetermined amount then controlling said driver circuitry with a variable voltage so as to maintain constant loopfeed current to said subscriber's line and in the event said error signal exceeds said predetermined amount generating a constant

15 saturation voltage for controlling said driver circuit to provide a constant voltage feed to said subscriber's line.

2. The line circuit of claim 1, wherein said driver circuitry further comprises driver amplifiers for driving transistors connected to said subscriber's line.

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3. The line circuit of claim 2, further comprising a feed resistors connected to said subscriber's line across which voltage develops which is proportional to said current flowing in said line, said feed resistors being connected in a circuit to differential inputs of said input amplifier circuit for detection of said voltage.

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4. The line circuit of claim 4, further comprising input and current sense resistors connected across said feed resistors and to said differential inputs of said input amplifier.

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5. The line circuit of claim 4, further comprising a source of reference voltage proportional to said predetermined constant current applied to one of said differential inputs of said input amplifier.